



sPHENIX general meeting: news

Dave Morrison (BNL), Gunther Roland (MIT) – co-spokespersons



**KEEP
CALM
AND
VOLUNTEER**

(to take minutes for today's meeting)

Plan for today

Friday, 24 June 2016

12:00 - 12:20	sPHENIX news 20'	▼
	Speakers: Prof. Gunther Roland (MIT), Dr. David Morrison (BNL)	
12:20 - 12:40	sPHENIX Project news 20'	▼
	Speakers: Edward O'Brien (BNL), John Haggerty (Brookhaven National Laboratory)	
12:40 - 13:40	Tracking review plans and discussion 1h0'	▼
	<i>Short presentations by detector groups and topical groups to start planning for a tracking review in September</i>	

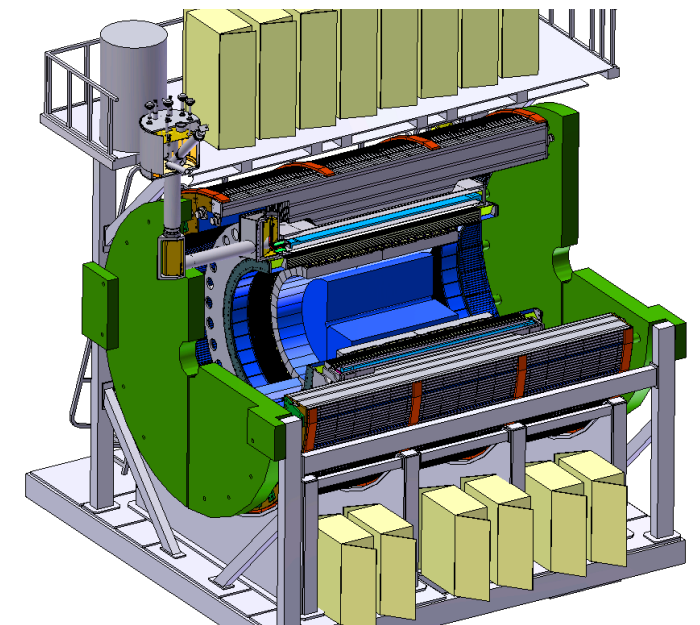
Reserve plenty of time to discuss initial thinking regarding tracking review

A lot has happened since our last meeting ...

Submitted the Collaboration response to ALD's baseline scope charge. Big thanks to everyone for all the work that went into this!

- test beam vetted calorimeter response
- TPC tracking with full HIJING events
- improved jet energy response software
- e/π discrimination performance with modified EMCal
- MAPS vertexing performance
- lots more!

Received an appreciative “Thank you!” from ALD. Document was sent to sPHENIX PMG and was discussed this week. Gunther and I will be following up with ALD to clarify next steps for Collaboration.



Addressing the Baseline Scope Charge

The sPHENIX Collaboration
June 6, 2016

sPHENIX News Articles

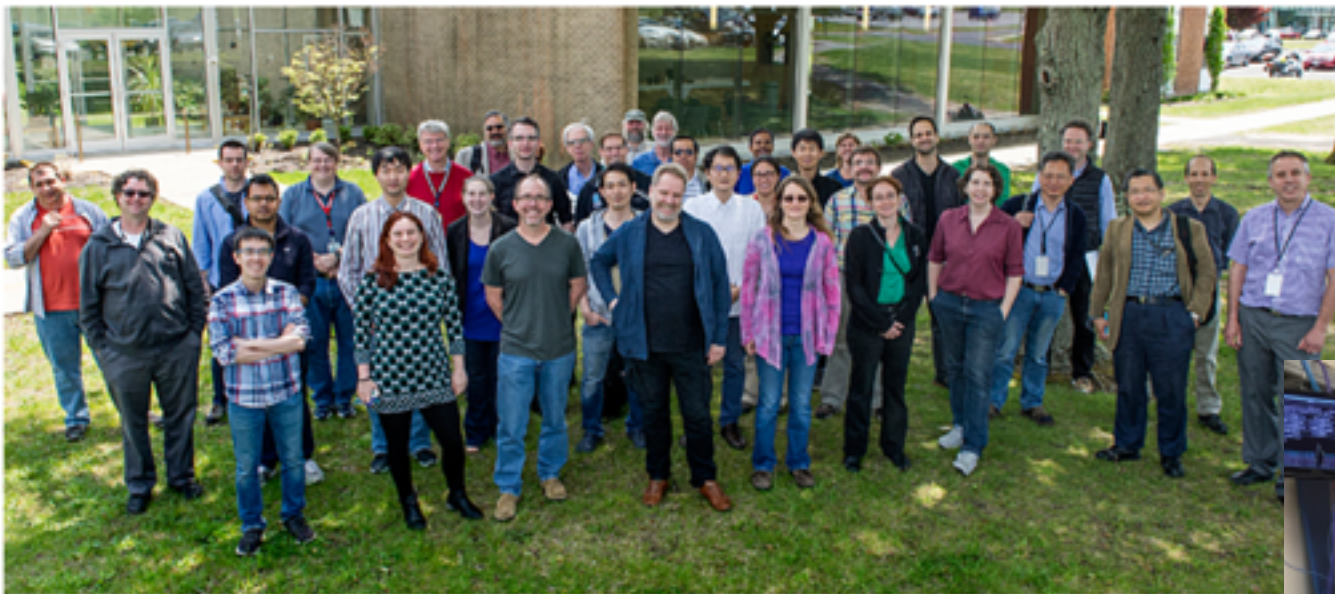


By [Karen McNulty Walsh](#) | June 15, 2016

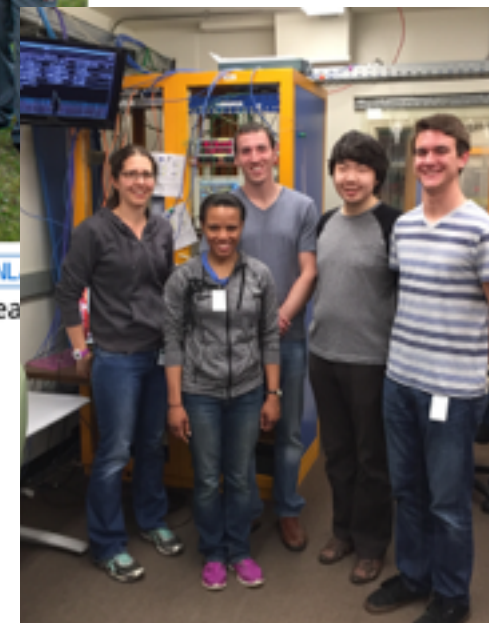


Introducing...sPHENIX!

A new collaboration takes aim at understanding how the ultra-hot, ultra-dense plasma that formed our early universe gets its intriguing properties.



Members of the new sPHENIX collaboration at a meeting held at Brookhaven Lab in May 2016, with co-spokespersons Dave Morrison (green T-shirt, jeans) and Gunther Roland (blue shirt, black jeans) front and center. [+ ENL](#)



By [Karen McNulty Walsh](#) | June 15, 2016



Superconducting Magnet Powers Up After Cross-Country Journey

Solenoid passes major test before its second lifetime in a particle detector upgrade at RHIC



Brookhaven Lab Superconducting Magnet Department physicist Kir

Brookhaven National Laboratory Features Media & Communications Office

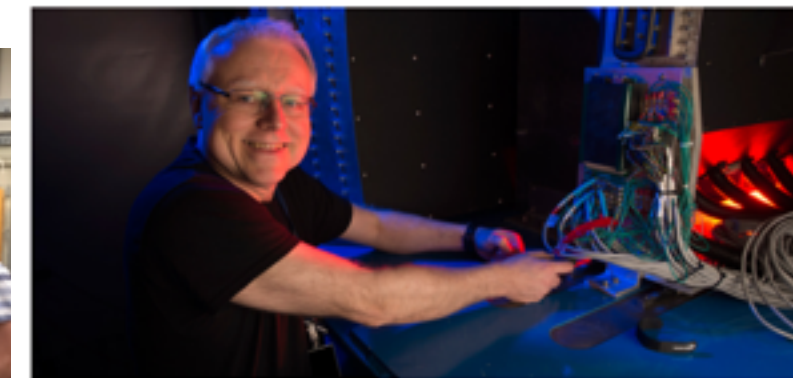
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Calorimeter Components Put to the Test

Brookhaven scientists, students, and university partners help build and test key components for a possible future RHIC detector upgrade



Brookhaven Lab physicist Martin Purschke with sPHENIX calorimeter components at the Fermilab Test Beam Facility (Photo credit: Fermilab) [+ ENLARGE](#)

RHIC Users' Meeting

- Excellent sPHENIX talks and posters during workshops and plenary sessions – very good showing for the Collaboration
- Lots of relevant discussion about capabilities, physics, timelines and plans

The 2016 RHIC/AGS Annual Users' Meeting

RHIC Upgrades and
The Era of Femtobarn¹ Precision

June 7-10, 2016
Brookhaven National Laboratory

Topical workshops // June 7-8

Who is doing science, who isn't, and why?
Special workshop and panel discussion
on diversity // June 8-9

Plenary sessions // June 9-10
Special guest speaker Priyamvada Natarajan (Yale U.)
author of *"Mapping the Heavens: The Radical Scientific
Ideas That Reveal the Cosmos"*

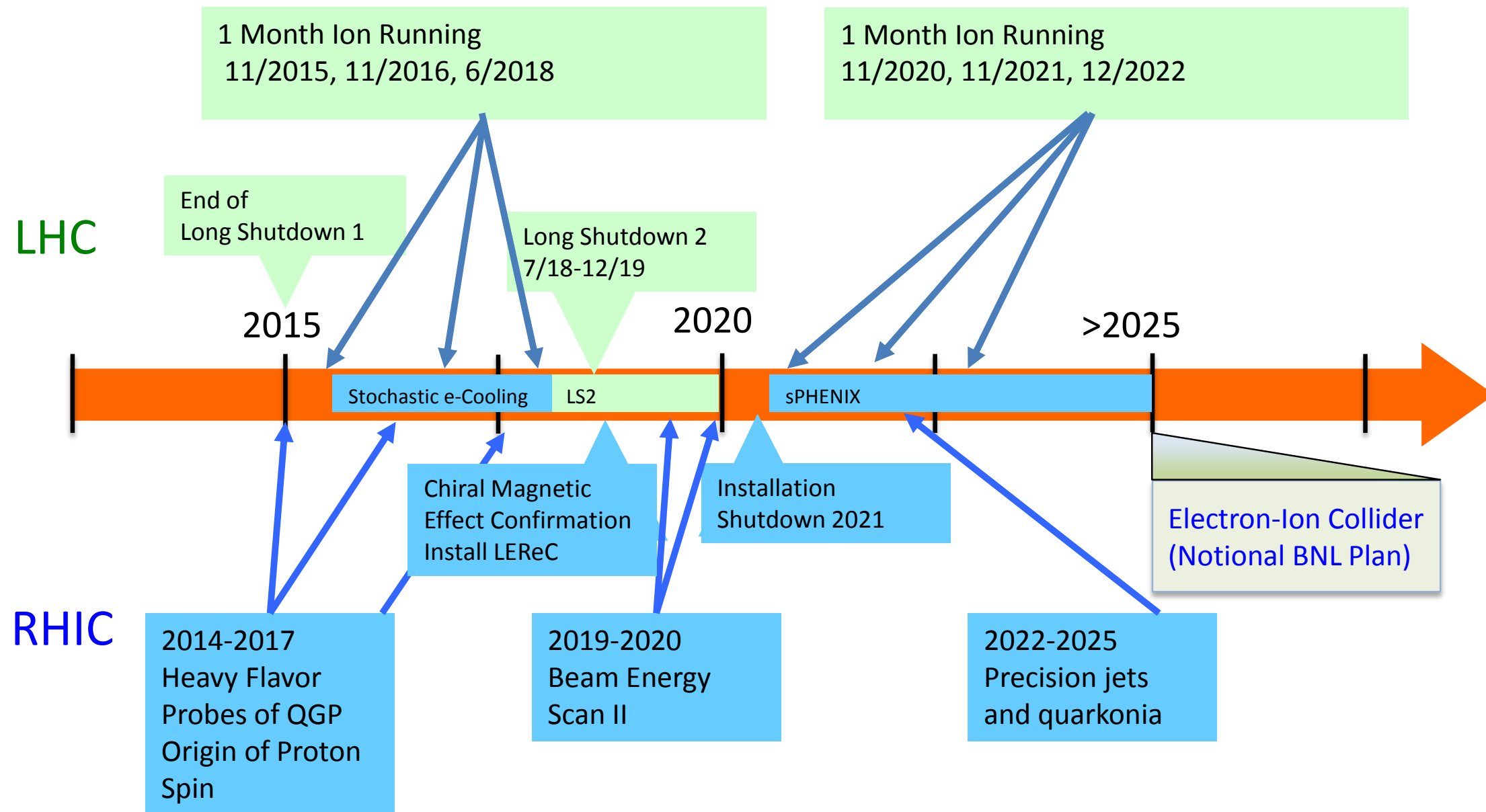
Organizing Committee
Lijuan Ruan (BNL)
ruan@bnl.gov
Justin Frantz (Ohio U)
frantz@ohio.edu
Daniel Cebra (UC Davis)
cebra@physics.ucdavis.edu

Conference Coordinator
Kelly Guiffreda
guiffreda@bnl.gov

Register at:
<https://www.bnl.gov/aum2016/>

Designed by
Anjali Chandrashekar Pratt

RHIC / LHC Timeline



U.S. DEPARTMENT OF
ENERGY

Office of
Science

RHIC User Meeting

June 9, 2016

23

PAC meeting

- PAC is an important mechanism for ALD to receive advice – can take a broad view of RHIC program
- Received very helpful questions openly from PAC members, particularly concerning baseline scoping charge
- At close-out, sPHENIX commended for progress; charge response is informative; tracker options will be reviewed; PAC looks forward to exciting physics that will be delivered by sPHENIX, as described in the NSAC LRP.

Forming cold QCD topical group

We have received encouragement from many members of the collaboration to establish another topical group, tentatively labeled “**Cold QCD**”, to give those interested in forward physics, spin physics, using sPHENIX as basis for an EIC detector and related topics a more formal representation in the collaboration. While the physics thrust would not be quite as focussed as in the other three topical groups, we foresee that the interaction of this topical group with the collaboration would mirror the other groups. That would include participation open to all collaboration members, regular meetings and reports at our general and collaboration meetings, and selection of conveners to provide organizational support.

Please let us know if you have any further suggestions - we are hoping to move forward with an official call for convener nominations at this Friday's General Meeting.

please send convener nominations to Dave and Gunther

The calendar

- RHIC S&T review, August 23-25
- Review of tracking options – tentatively set for September 7–9

Discussion of needed effort toward tracking review

- software
- simulations
- physics
- other?